

Notice of Allowability

Application No.

10/786,521

Applicant(s)

KUO, HSIAO-MING

Examiner

Nitin Patel

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/24/2004.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

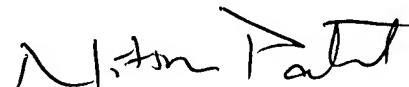
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



REASON FOR ALLOWANCE

1. Claims 1-18 is allowed.
2. The following is an examiner's statement of reason for allowance:

Lu (U.S. Patent No. 7,010,705) shows a cordless mouse (20) comprises a first metal inductive area that will induct electrostatic charge from a user palm of the user body located in the rear of the cordless mouse and a second metal inductive area that will induct electrostatic charge from user fingers of the user body. When user body approaches or touches the metal inductive area the induct electrostatic element will be turned on so as to power supply module to supply power to the cordless mouse. On the contrary while user body leaves away from the metal inductive area the electrostatic inductive element will be turned off so as to make the power supply module stop supplying the power to the cordless mouse.

Teshima (US 20010037470) teaches in fig.5 the CPU 21 transmit an instruction for shifting the power saving normal mode and power saving mode on the basis of the detection signal. The CPU transmits an instruction for shifting the power saving mode to the normal mode to the wireless mouse 40 via the communication controller 25 and antenna. The mouse receives the instruction transmitted from the PC via the antenna and communication controller and the mode setting unit switches the operation mode of the mouse from the power saving mode to the normal mode in accordance with the instruction.

Nakamura (U.S. patent No. 6,801,976) shows a wireless mouse unit has a wireless mouse generating signals for moving a cursor across a display screen, a

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rechargeable secondary battery cell built into the wireless mouse and receiver for receiving the signals transmitted from the mouse, the receiver electrically connected to and powered by a computer via a cable.

The prior art fails to teach or suggest a power saving method for a wireless input device for an electronic product, a power supply module being provided to supply power to electronic components of the wireless input device, the method comprising the steps of: 1) providing a switch module to the wireless input device and electrically connecting the switch module to the power supply module; and 2) actuating the switch module by a user to allow the wireless input device to enter a complete power-saving mode or an incomplete power-saving mode; whereby, when the wireless input device is in the complete power-saving mode, the switch module disconnects the supply of power from the power supply module to the wireless input device; and when the wireless input device is in the incomplete power-saving mode, the supply of power from the power supply module to the wireless input device is maintained as claimed in claim 1.

The prior art fails to teach or suggest a power saving mechanism for a wireless input device for an electronic product, comprising: a power supply module for supplying power to electronic components of the wireless input device for transmitting data wirelessly; a control unit electrically connected to the wireless input device, for controlling and detecting an operating status of the wireless input device, and for determining an amount of power supplied to the wireless input device from the power supply module; and a switch module mounted on a casing of the wireless input device and actuated by a user to allow the wireless input device to enter a complete power-

saving mode or an incomplete power-saving mode, and for disconnecting the supply of power from the power supply module to the wireless input device when the wireless input device is in the complete power-saving mode as claimed in claim 11.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677.

The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nitin Patel
Examiner
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